

### IN THE CLAIMS

Please amend claim 3 and cancel claims 4-10, 13-16 and 20-29 as follows:

1. (PREVIOUSLY AMENDED) An improved distributed Bragg reflector comprising:  
a sampled grating including a plurality of sampled grating portions comprising a first phase separated from each other by portions with no grating; and  
a first grating burst portion at the beginning of a first sampled grating portion of the sampled grating and comprising a second phase, said second phase being different from the first phase.
2. (PREVIOUSLY AMENDED) The reflector of claim 1, wherein the second phase is substantially opposite that of said first phase of said sampled grating.
3. (CURRENTLY AMENDED) The reflector of claim 1, wherein the first sampled grating portion and the first grating burst portion are spaced apart and configured ~~to maximize a coupling constant ( $\kappa$ ) substantially evenly across a selected tuning range~~ such that maximum values for a coupling constant ( $\kappa$ ) are substantially uniform across a selected tuning range.
- 4 - 10 (CANCELLED)
11. (PREVIOUSLY ADDED) The reflector of claim 1, wherein the portions with no grating occupy more than 70% of the reflector.
12. (PREVIOUSLY ADDED) The reflector of claim 1, wherein the first grating burst portion is spaced apart from the first sampled grating portion by a spacing with no grating.
- 13 - 16 (CANCELLED)

17. (PREVIOUSLY ADDED) A distributed Bragg reflector comprising:  
a sampled grating including a plurality of sampled grating portions separated from each other by portions with no grating;  
wherein the sampled grating portions each have a first phase and a second phase.

18. (PREVIOUSLY ADDED) The reflector of claim 17, wherein the portions with no grating occupy more than 70% of the reflector.

19. (PREVIOUSLY ADDED) The reflector of claim 17, wherein the sampled grating portions reverse phase at a beginning and an end of each sampled grating portion.

20 - 29 (CANCELLED)